

KEY FRAME SELECTION

Abstract of the Disclosure

5 A system and method that processes video to extract a keyframe-based
adequate visual representation. The method utilizes a hierarchical processing
technique. The first stage in the hierarchy extracts a chromatic difference metric from
a pair of video frames. An initial set of frames is chosen based on the chromatic
metric and a threshold. A structural difference measurement is extracted from this
10 initial set of frames. A second threshold is used to select key frames from the initial
set. The first and second thresholds are user selectable. The output of this process
is the visual representation. The method is extensible to any number of metrics and
any number of levels.

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